

PINOUT INFORMATION

<u>PIN COLOUR</u>	<u>FUNCTION</u>
1. YEL/BLK	10p MICROSWITCH OR N.P.N OPEN COLLECTOR INPUT.
2. N/C	10p MICROSWITCH OR N.P.N OPEN COLLECTOR INPUT.
3. WHT/BLU	10p PNP INPUT (MS 111/SENTINEL)
4. N/C	20p INPUT (MICROSWITCH)
5. WHT/GRN	20p INPUT (MS 111/SENTINEL)
6. N/C	50p INPUT (MICROSWITCH)
7. WHT/BLK	50p INPUT (MS 111/SENTINEL)
8. N/C	£1 INPUT (MICROSWITCH)
9. WHT/YEL	£1 INPUT (MS 111/SENTINEL)
10. BLU/BLK	0 VOLTS (10p INHIBIT)
11. BLU/YEL	0 VOLTS (20p INHIBIT)
12. BLU/ORG	0 VOLTS (50p INHIBIT)
13. BLU/WHT	0 VOLTS (£1 INHIBIT)
14. BLACK	0 VOLTS
15. BLACK	0 VOLTS
16. N/C	0 VOLTS
17. N/C	0 KEYWAY
18. ORANGE	+ 12v DC
19. ORANGE	+ 12v DC
20. ORANGE	+ 12v DC
21. BLU/VIO	- POSITIVE COMMON FOR MS111/SENTINEL
22. WHT/RED	METER OUTPUT (NPN OPEN COLLECTOR)
23. ORG/BLK	CREDIT OUTPUT (NPN OPEN COLLECTOR)
24. N/C	0 VOLTS

## NOTES:-

- 1) Use 0 volts for negative common if plugging into MS 125 separator unit.
- 2) Ensure that there is no coin meter connected across any input, e.g. via a microswitch or an adaptor card.

- 3) The meter will always total cash in 10p units regardless of any credit setting.
- 4) More than one coin mech may be fed into the PCB.

e.g. A) S10 (up to four)  
 B) S10 X MS 111  
 C) S10 X MS 125  
 D) S10 X Sentinel

- 5) Most credit boards are supplied with a standard credit loom.  
 (Part No 16684) fitted with a male 6 way amp mate 'N' lock connector.

Pinouts are shown below.

<u>PIN</u>	<u>COLOUR</u>	<u>FUNCTION</u>
1. ORANGE	+12v	DC SUPPLY
2. PINK	+5v	DC (LAMP SUPPLY)
3. N/C	TO COIN METER	
4. WHT/RED	0v	DC
5. BLACK	0v	DC
6. ORG/BLK	COIN INPUT	TO GAME PCB.

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licensed under the authority of corvus systems. . Inc."

DIP SWITCH SETTINGS V-2

<u>FUNCTION</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>
<u>Bonus Games</u>	<u>Not used</u>							
None	on	on						
For every 50p	off	on						
For every £1	on	off						
For every £2	off	off						
1 Pulse per credit					on			
2 Pulses per credit					off			
Price per play								
10p		on	on	on				
20p		off	on	on				
30p		on	off	on				
40p		off	off	on				
50p		on	on	off				
60p		off	on	off				
£1		on	off	off				
£2		off	off	off				

Please Note:- A bonus game will only be awarded if the game price of play is less than the bonus value set. Also if a mixture of coins are inserted, the time interval between coins inserted must be of less than 5 seconds for the bonus to be awarded.

EXAMPLES OF SETTINGS (FOR £1 INSERTED)

Price of Play	Bonus Games	Credits	Bonus	Total
10p	off	10	None	10
10p	For every 50p	10	2	12
10p	For every £1	10	1	11
20p	off	5	None	5
20p	For every 50p	5	2	7
20p	For every £1	5	1	6
30p	off	3	None	3
30p	For every 50p	3	2	5
30p	For every £1	3	1	4
40p	off	2	None	2
40p	For every 50p	2	2	4
40p	For every £1	2	1	3
50p	off	2	None	2
50p	For every £1	2	1	3

22 WAY EDGE CONNECTOR

CONNECTOR A

<u>LOGIC PCB</u>	<u>KEYWAY PIN 7, H</u>
BLK/RED	GND
BLK	GND
PNK	+5v
PNK	+5v
VIO	-5v
RED/BLK	+13v
KEYWAY	KEYWAY
GRY/WHT	KEYWAY
GRY/BLK	L. SPEAKER
ORG/BLK	R. SPEAKER
WHT/ORG	COPN A
RED/ORG	METER A
GRN/BLK	SERVICE SW
START SW	START SW
BRN/PNK	ADJ 2 (accelerator)
BRN/YEL	ADJ 1 (steering)
ORG/BLU	HANDLE
YEL/BLU	ACCEL
BLK	GND
BLK/GRN	GND
	16 T
	17 U
	18 V
	19 W
	20 X
	21 Y
	22 Z
	+24v
	DRIVE
	BLU/YEL
	BLK
	BLK/GRN

CONNECTOR B

COMMUNICATION PCB

5 WAY JST N/H SERIES 0.1" PITCH

1	+5v	PNK
2	+5v	PNK
3	GND	BLK
4	GND	BLK
5	GND	BLK

CONNECTOR C

VIDEO PCB

12 WAY MOLEX 0.156" PITCH KEYWAY 10

1	GND	BLK
2	GND	BLK
3	GND	BLK
4	GND	BLK
5	GND	BLK
6	+5v	PNK
7	+5v	PNK
8	+5v	PNK
9	+5v	PNK
10	KEYWAY	PNK
11	+5v	PNK
12	+5v	PNK

CONNECTOR D

VIDEO PCB

5 WAY ST N/H SERIES 0.1" PITCH

5	VIDEO RED	RED
4	VIDEO GRN	GRN
3	VIDEO BLU	BLU
2	V-SYNC	WHT
1	VIDEO GND	BLK/BLU

CONNECTOR F

P.S.U

9 WAY AMP M+L PLUG MALE PINS

1	+5v	PNK
2	+5v	PNK
3	GND	BLK/YEL & BLK/RED
4	GND	BLK/GRN
5	GND	BLK
6	GND	BLK/PNK
7	GND	ORG
8	+12v	VIO
9	-5v	

CONNECTOR J

9 WAY AMP MINI M+L SOCKET	6 WAY AMP M + L SOCKET
1 START SW	1 GND.
2 GND	2 BRAKE
3 HANDLE	3 +5v
4 +5v	4 GND
5 START LAMP	5 ACCEL
6 +13v	6 +5v
7 +24v	
8 DRIVE	
9 EARTH	

CONNECTOR K

1.187 FASTONS	1.187 FASTONS
1 L/H/S SPEAKER (+)	1 R/H/S SPEAKER (+)

CONNECTOR L

1 L/H/S SPEAKER (-)	1 R/H/S SPEAKER (-)
2 L/H/S SPEAKER (-)	2 R/H/S SPEAKER (-)

CONNECTOR M

3 WAY AMP M+L SOCKET MALE PINS

1 +5v	PNK
2 CREDIT BD	WHT/RED
3 METER A	WHT/ORG
4 METER B	WHT/YEL (tied back)

CONNECTOR P

COIN DOOR

MINI PUSH BUTTON

1 SERVICE SW	ORG/RED
2 GND	BLK

STEERING MECH

6 WAY AMP M + L SOCKET	1 GND.
	2 BRAKE
	3 +5v
	4 GND
	5 ACCEL
	6 +5v

GRN/BLK	1 GND.
BLK	2 BRAKE
ORG/BLU	3 +5v
PNK	4 GND
VIO/YEL	5 ACCEL
RED/BLK	6 +5v

GRY	1 GND.
BLK/WHT	2 BRAKE
GRN/YEL	3 +5v
BLK	4 GND
YEL/BLU	5 ACCEL
PNK	6 +5v

SPEAKER LEFT

GRY/WHT	1 GND.
WHT/GRY	2 BRAKE
GRY/BLK	3 +5v
BLK/GRY	4 GND

SPEAKER RIGHT

GRY/BLK	1 GND.
BLK	2 BRAKE
YEL/BLU	3 +5v
PNK	4 GND

CONNECTOR R

VOL 1

FIT 100 ohm POT

1	L/H/S SPEAKER (+)
2	CENTER
3	L/H/S SPEAKER (-)

GRY/WHT  
WHT/GRY  
WHT/GRY

CONNECTOR S

VOL 2

FIT 100 ohm POT

1	R/H/S SPEAKER (+)
2	CENTER
3	R/H/S SPEAKER (-)

GRY/BLK  
BLK/GRY  
BLK/GRY

CONNECTOR T and V

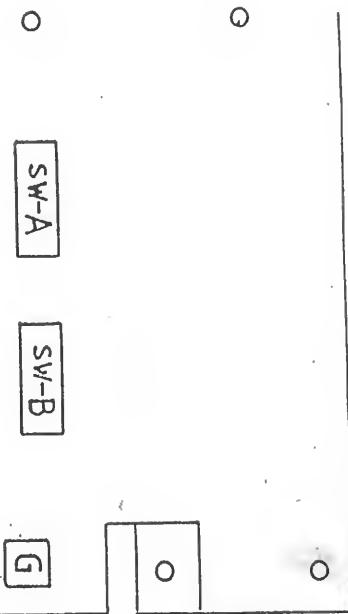
ADJUST 1 and 2 ACCEL and HANDLE

FIT SK ohm POT

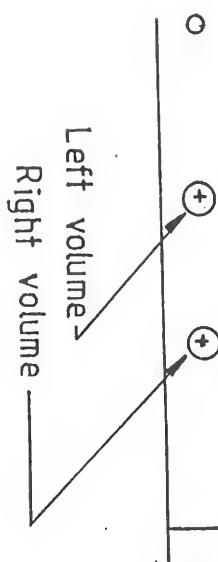
1	ADJ GND
2	ADJ CENTER
3	ADJ +5v

BLK  
BRN/YEL / BRN/PNK  
PNK

## LOCATION of DIP SWs on PC3

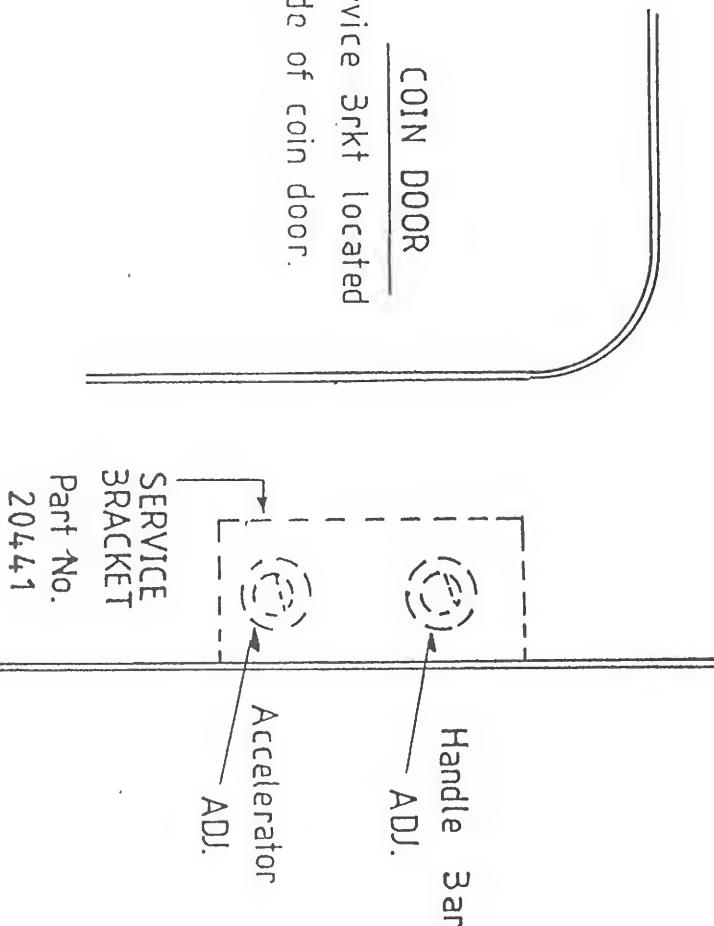


## LOCATION OF HANDLE/ ACCELERATOR ADJUSTMENT



Service Brkt located  
inside of coin door.

### COIN DOOR



## ELECTROCOIN AFTERSALES & SERVICE LTD

The above company has been formed as part of the Electrocoin Automatics Group at the Cardiff factory to provide the AfterSales Service necessary to support the variety of machines manufactured by Electrocoin Automatics Ltd. The company will be responsible for servicing both Spares and Technical requirements for all U.K. manufactured Electrocoin machines, all "Famous Games" products, and all Board Games distributed by Electrocoin Ltd.

Normal working hours are Monday to Friday 08.00 to 17.30 and Saturday morning 08.00 to 12.30.

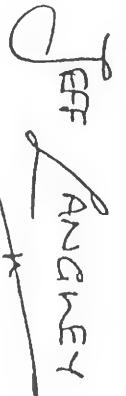
AfterSales & Service Tel No: 0222 373059 during working hours, 0836 536195 after hours/weekends.

Please contact the following staff for:-

PARTS ENQUIRIES	- GARY SCOBLE
TECHNICAL INFORMATION	- IAN COLEY
ACCOUNTS ENQUIRIES	- JULIE TIPPER
WORKSHOP MANAGER	- MIKE CALLAN
CREDIT CONTROLLER	- IAN HEPPENSTALL

PLEASE REMEMBER, TO HELP US HELP YOU, PROMPT RETURN OF FAULTY PARTS IS ESSENTIAL.

Assuring you of the best attention at all times.



JEFF LANGLEY  
General Manager

ELECTROCOIN AFTERSALES & SERVICE LTD.